



TACTICAL WHEELED VEHICLES CONFERENCE



LTG Thomas J. Plewes
Chief, Army Reserve



AMERICA'S ARMY RESERVE

Forward Presence

Peace Enforcement

Humanitarian Support

Domestic Support/Community Assistance

Partnership for Peace

Overseas Duty Training



Power projection

- Transportation Terminal Units
- Garrison support
- Installation medical support



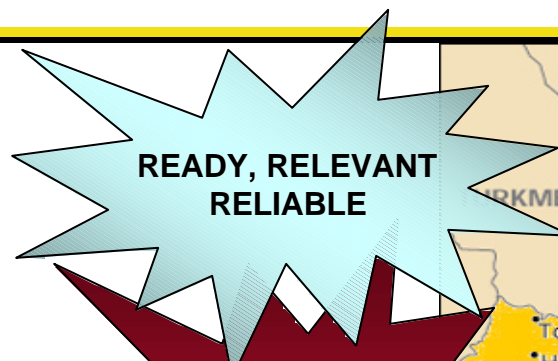
Training readiness enablers

Initial Entry Training
Lane training/battle simulations
Skill training/professional education/ROTC

Trained and ready

- Combat Support/Combat Service Support
- 424 Force Support Package units
- 73% of the forces deployed in Bosnia are RC

JOINT READINESS UNITS – TROOP PROGRAM UNITS
INDIVIDUAL MOBILIZATION AUGMENTEES - IRR





CS/CSS TRANSFORMATION OBJECTIVES



- Reduce strategic lift requirements
- Reduce logistics footprint in area of operations
- Reduce inventories through management of requirements; reduction in overhead and duplicative operations; and reduction in requisitioning, shipping and receiving errors
- Reduce costs through reduced inventories and force structure



ARMY RESERVE CSS TRANSFORMATION

- **Optimize force structure**
- **Maintain readiness**
- **Single Theater CS/CSS (Theater Support Command)**
- **Split Operations**
- **Enhance science and technology application (strategic storage)**
- **Forward presence**

42% of the Army's CSS structure is in the USAR



ENABLERS AND INITIATIVES

Concept

- Change logistics doctrine

- Optimize Logistics

- Change Business Processes

- Reduce Requirements

- Improve/upgrade/right-size Infrastructure

- Field Improved Logistics Equipment (enablers)

- Exploit Science and Technology

- Intermediate Staging (Support) Base
- Split-Based & Reach Operations
- Leverage Contractor/Host Nation Support

- National Maintenance Program
- Velocity Management
- Dollar Cost Banding
- Single Stock Fund
- Recapitalization
- Enhance Strategic Response
- Meet Deployment Timeline

- Depots
- Containment Projection Platforms

- Diagnostic and Prognostics
- Precision Munitions
- Fuel Efficient Systems
- Common Chassis

Logistic Enablers are the Key to Success

- Common Unit Design
- Reach Operations
- Intermediate Staging (Support) Base
- Distribution Based Logistics
- Standardized Strategic/Mission
- Combat Configured Loads

- Cultural Change
- Update Planning Factor and Allocation Rules
- Identify and Validate ASOS

- Palletized Load System
- Containerized Kitchens
- Laundry Advanced Systems
- Family of Medium Tactical Vehicles
- Tactical Fire Fighting Truck
- All Terrain Lifter Army System
- M878 Yard Tractor
- Heavy Dry Support Bridge
- Rough Terrain Cargo Handler



EQUIPPING AND MODERNIZATION

The Army Reserve Obtains Equipment Through-

- **New Procurement**
 - Projected in Procurement-1R submission
 - Funded through Other Procurement, Army appropriation
- **The Redistribution or Cascading of Equipment from the Active Component**
 - The Army Reserve has 42% of the Army's combat service support structure
 - As such, little combat service support equipment is cascaded from the Active Component to the Army Reserve
 - Likewise, little or no funding accompanies the equipment that is cascaded to restore it to the appropriate standards
- **Recapitalization of Old (Legacy) Equipment**
 - The rebuild and selected upgrade of currently fielded systems to a zero mile/zero time system
- **Congressional Adds**
- **National Guard and Reserve Equipment Appropriation (NGREA)**
 - Started in 1981, NGREa is congressional directed program providing funds to the Reserve Components to improve readiness.
 - It enables economical stewardship of resources by providing the Reserve Components with flexibility to acquire new equipment and rebuild/overhaul/refurbish existing systems.



ARMY RESERVE TOP 10

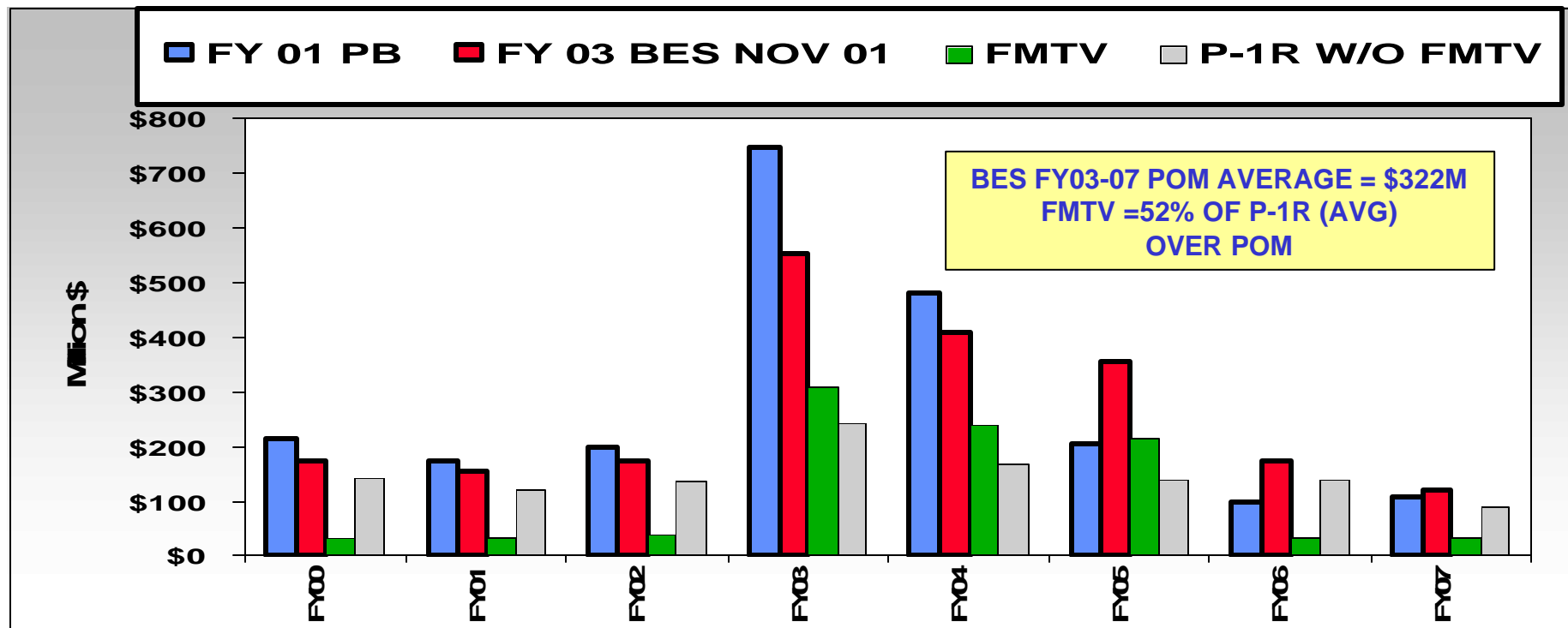
UNFUNDED MODERNIZATION REQUIREMENTS

| PRIORITY | APPRO | EQUIPMENT ITEM | TOTAL REQ. | OH HAND | NGREA/CONG | | | ITEM COST |
|------------------------------------|-------|--|------------|---------|-----------------|-----------------|-------|-------------|
| | | | | | P-1R PROJECTION | ADDS-PROJECTION | SHORT | |
| 1 | APA 1 | UH-60L BLACK HAWK HELICOPTER | 16 | 8 | 0 | 6 | 2 | 11,194,000 |
| 2a | OPA 1 | LIGHT MEDIUM TACTICAL VEHICLE 2.5-TON TRUCK (LMTV) | 4433 | 242 | 2598 | 115 | 1478 | 127,445 |
| 2b | OPA 1 | MEDIUM TACTICAL VEHICLE (MTV) 5-TON TRUCK | 8715 | 45 | 1903 | 0 | 6767 | 160,000 |
| 3a | OPA 1 | HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV) | 16614 | 12982 | 0 | 0 | 3632 | 64,500 |
| 3b | OPA 1 | HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV) UP-ARMORED M1114 | 929 | 1 | 0 | 0 | 928 | 146,844 |
| 4 | OPA 2 | HIGH FREQUENCY (HF) RADIO | 1750 | 218 | 0 | 83 | 1449 | 42,514 |
| 5 | OPA 3 | TACTICAL FIRE FIGHTING TRUCK (TFFT) | 67 | 0 | 57 | 7 | 10 | 550,000 |
| 6 | OPA 3 | ALL TERRAIN LIFTING ARMY SYSTEM (ATLAS) 10K | 946 | 304 | 387 | 75 | 180 | 100,199 |
| 7 | OPA3 | BIOLOGICAL INTEGRATED DETECTION SYSTEM (BIDS) M31 | 175 | 35 | 0 | 0 | 140 | \$1,200,000 |
| 8 | OPA 3 | TRUCK, ROUGH TERRAIN CONTAINER HANDLER (RTCH) 53K | 205 | 24 | 96 | 32 | 53 | 525,000 |
| 9 | OPA3 | DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) (MULTI-LIN) | 361 | 240 | 3 | 0 | 118 | 194,000 |
| 10 | OPA1 | M871A3 22.5 TON SEMI-TRAILER DROP DECK | 1707 | 1137 | 0 | 110 | 460 | 33,000 |
| Total unfunded requirement: \$1.9B | | | | | | | | |



Army Reserve Procurement (P-1R)

Fiscal comparison highlighting one modernization system.

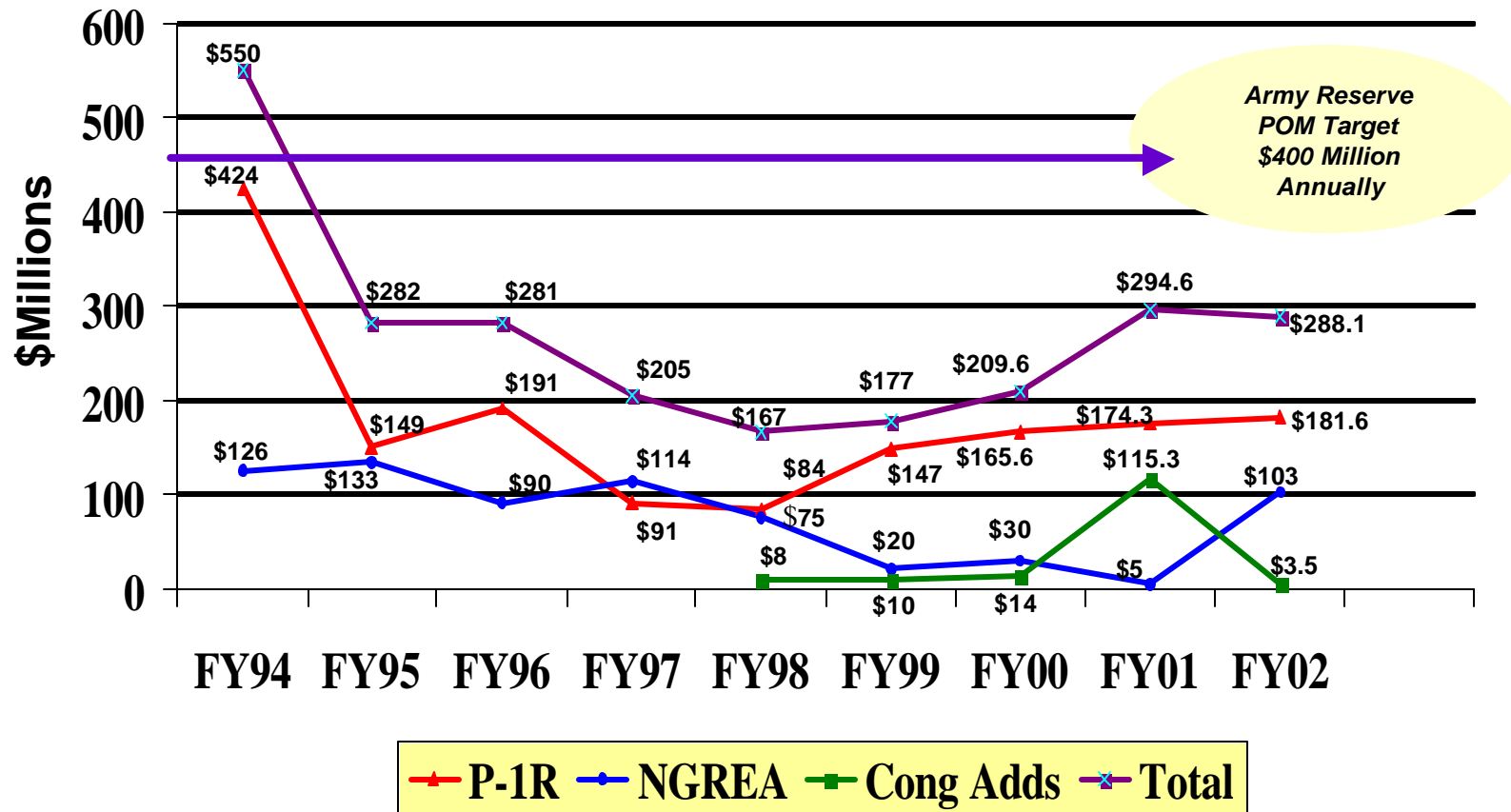


| | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | FY07 |
|---------------|---------|---------|---------|---------|---------|---------|---------|---------|
| FY 01 PB P-1R | \$214.0 | \$174.0 | \$200.0 | \$747.0 | \$481.0 | \$206.0 | N/A | N/A |
| FY03 BES* | \$174.0 | \$156.0 | \$174.0 | \$551.0 | \$408.0 | \$354.0 | \$173.0 | \$123.0 |
| FMTV | \$32.0 | \$34.0 | \$38.0 | \$309 | \$239 | \$215 | \$34 | \$33 |
| P-1R W/O FMTV | \$142.0 | \$122.0 | \$136.0 | \$242.0 | \$169.0 | \$139.0 | \$139.0 | \$90.0 |

* FY 03 Budget Estimate Submission as of 27 Nov 01.



ARMY RESERVE MODERNIZATION CHALLENGE



SOURCE: FY02 PBP-1R, dtd 27 NOV 01



RECAPITALIZATION

Systems on current recap plan

- | | |
|-------------------------|----------------|
| 1. M1 Abrams Tank | 9. MLRS |
| 2. AH-64 Apache | 10. Patriot |
| 3. UH-60 Blackhawk | 11. M113 FOV |
| 4. CH-47 Chinook | 12. HEMTT |
| 5. AVLB (35 Yrs Old) | 13. SEE/HMEE |
| 6. M9 ACE | 14. ESV |
| 7. M88 Recovery Vehicle | 15. Firefinder |
| 8. M2/M3 Bradley | 16. M992 FAASV |
| | 17. HMMWV |

Goal is to maintain average fleet age at half of a system's expected service life.

**OLDEST IN THE FLEET
IN FIRST**



COULD BE USAR ASSET

RECAP PROGRAM



EXTEND SERVICE LIFE

IMPROVES RELIABILITY

REDUCES O&S COST



NOT NECESSARILY ORIGINAL
OWNING UNIT

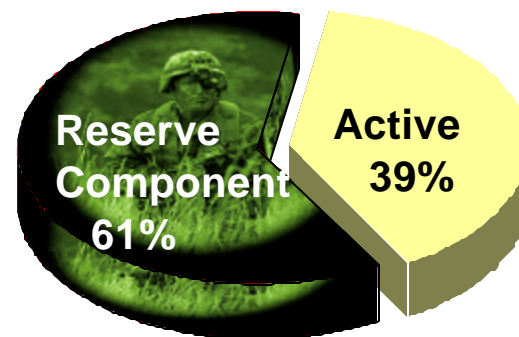
RECAPPED ASSET
REISSUED TO HIGHEST PRIORITY UNIT



STRATEGIC ASSESSMENT

- **USAR has best articulated requirements (Shopping list) in a decade**
- **“Repair and replace as required” strategy won’t work for next 30 years**
- **The shortfall of Army procurement dollars is impeding Army Reserve modernization.**
- **Without procurement / recapitalization Army Reserve operation and sustainment costs will escalate, unit readiness decline, and compatibility and interoperability challenges will increase.**
- **USAR is trying to help itself (strategic storage) but danger is “real good, real old” equipment**

MTOE STRUCTURE





SUMMARY

“Thanks For Your Great
Support, NDIA!”

LTG Plewes